

Metals and Tin Results

Application no: MLP/DC9809

Licensee: Harwich Haven Authority

Application Title: Harwich Channel Deepening

Date Sampled: 01/09/2013



mg/kg (ppm)

Dry weight

LSN	Sample No.	Location	Dredge Area no.	Excluded	TS%	AS	CD	CR	CU	HG	NI	PB	ZN	DBT	TBT
2013/03209	49+32	Trial Pits 2+6, 0m	Area i		49.7	22.8	0.09	56.55	25.04	0.1	32.44	43.17	101.33	<LOD	<LOD
2013/03210	58+27	Trial Pits 2+6, 1m	Area i		60.2	13.41	0	79.14	18.44	0.04	38.19	23.38	86.26	<LOD	<LOD
2013/03211	14+45	Trial pits 1+4, 0m	Area i		55.9	19.6	0.06	60.44	21.8	0.09	29.98	38.41	92.19	<LOD	<LOD
2013/03212	29+50	Trial pits 7+10, 0m	Area i		52.5	21.08	0.06	42.66	18.91	0.07	25.79	37.31	82.23	<LOD	<LOD
2013/03213	37+44	Trial pits 7+10, 1m	Area i		47.1	21.73	0.06	46.31	20.02	0.09	27.59	38.7	86.64	<LOD	<LOD
2013/03214	54+84+89	Trial pits 14+16+18, 1m	Area i		78.3	3.98	0.58	36.92	27.55	0	33.68	19.6	57.46	<LOD	<LOD
2013/03215	59+71+87	Trial mpits 14+16+18, 2m	Area i		77.8	6.78	0.04	43.32	28.26	0.04	43.39	40.34	77.99	<LOD	<LOD
2013/03216	63+68	Trial pits 15+17, 1m	Area i		75.9	7.63	0	41.07	22.98	0	45.44	17.83	74.06	<LOD	<LOD
2013/03217	57+61	Trial pits 15+17, 2m	Area i		79.3	6.61	0	48.66	16.59	0	50.37	14.87	79.3	<LOD	<LOD
2013/03218	51+70+83	Trial pits 19, 0+1+2m	Area i		77.3	7.54	0.07	43.56	32.59	0.03	44.71	30.8	82.82	<LOD	<LOD
2013/03219	19+20+43	Trial pits 47, 0+2m	Area i		90.5	4.62	0.03	30.2	12.37	0	30.97	11.35	53.13	<LOD	<LOD
2013/03220	34+39	Trial pits 57, 0+1m	Area i		81	2.6	0	15.63	10.59	0	13.09	5.54	23.42	<LOD	<LOD
2013/03221	18+82	Trial pits 71, 1+2m	Area i		51.8	13.03	0.2	58.67	18.85	0	37.78	18.07	77.99	<LOD	<LOD
2013/03222	5+30+74	Trial pits 81, 0+1+2m	Area i		77.4	5.82	0	7.18	1.97	0	5.14	3.03	13.5	<LOD	<LOD
2013/03223	6+16+26	Trial pits 92, 1+1.5+2m	Area i		68.7	9.33	0.57	50.12	52.86	0.02	41.22	16.57	98.41	<LOD	<LOD
2013/03224	1+2+90	Trial pits 96, 1+1.5+2m	Area i		68.1	7.67	0.43	53.07	88.91	0	41.41	13.84	106.93	<LOD	<LOD
2013/03225	3+21+85	Trial pits 97, 1+1.5+2m	Area i		69.5	7.52	0.4	45.56	87.79	0.02	26.83	10.09	89.18	<LOD	<LOD
2013/03226	88+42+38+23	Trial pits 100, 1+1.5+2m	Area i		69.2	8.04	0.43	46.43	87.12	0	23.7	9.26	83.22	<LOD	<LOD
2013/03227	33+10+25	Trial pits 101, 1+1.5+2m	Area i		69.4	5.74	0.31	38.86	47.31	0	25.02	12.43	76.1	<LOD	<LOD
2013/03228	4	Trial pit 94, 2m	Area i		68.8	11.18	0.47	50.94	59.04	0.06	50.89	15.76	99.17	<LOD	<LOD
2013/03229	7	Trial pit 5, 2m	Area i		77.4	2.29	0	31.57	18.3	0	10.14	14.28	15.56	<LOD	<LOD
2013/03230	8	Trial pit 27, 1m	Area i		81.6	5.5	0.03	34.92	18.22	0.09	31.02	10.76	53.2	<LOD	<LOD
2013/03231	9	Trial pit 24, 0m	Area i		54.5	17.26	0	43.57	17.26	0.24	24.98	33.02	75.61	<LOD	<LOD
2013/03232	11	Trial pit, 37, 0m	Area i		72	17.3	0	24.92	9.35	0.15	18.58	11.71	45.68	<LOD	<LOD
2013/03233	12	Trial pit 27, 0m	Area i		76.4	10.33	0.04	45.46	32.04	0.06	49.17	23.61	94.22	<LOD	<LOD
		Mean			69.21	10.38	0.15	43.03	31.77	0.04	32.06	20.55	73.02	#DIV/0!	#DIV/0!

AL1 (ppm dry)	20	0.4	40	40	0.3	20	50	130	0.1	0.1
AL2 (ppm dry)	100	5.0	400	400	3.00	200	500	800	1	1

Limits of Detection					0.15	0.05	0.15	0.06	0.03	0.15	0.08	0.15	0.001	0.001
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Produced by: JL JL (tins)
Date: 10/10/2013

10/10/2013

